



IPW

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q78242

Hiroki NAKAJIMA

Appln. No.: 10/697,036

Group Art Unit: 1653

Confirmation No.: 8374

Examiner: M. Monshipouri

Filed: October 31, 2003

For: TRANSFORMED CELL WITH ENHANCED SENSITIVITY TO ANTIFUNGAL
COMPOUND AND USE THEREOF

INFORMATION DISCLOSURE STATEMENT **UNDER 37 C.F.R. §§ 1.97 and 1.98**

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application

The documents listed on the attached PTO/SB/08 were cited in a communication from a foreign patent office in a related foreign application. Also enclosed please find a copy of a European Search Report for EP 03 25 6895 and Austrian Search Report dated May 24, 2004.

One copy of each of the listed documents is submitted herewith, except for U.S. patents and U.S. patent publications.

INFORMATION DISCLOSURE STATEMENT

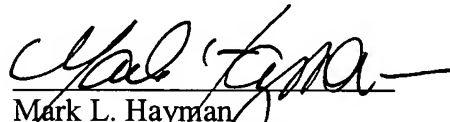
U.S. Appln. No.: 10/697,036

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: March 15, 2006

Substitute for Form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/697,036
				Confirmation Number	8374
				Filing Date	October 31, 2003
				First Named Inventor	Hiroki NAKAJIMA
				Art Unit	1653
				Examiner Name	M. Monshipouri
				Attorney Docket Number	Q78242
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 5,939,306		08/17/1999	Lisa Alex et al

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		WO	98/44148		10/08/1998	Claude P. Selitrennikoff	In English

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶	
		ALEX, Lisa et al., "Hyphal development in <i>Neurospora crassa</i> : Involvement of a two-component histidine kinase" Proc. Natl. Acad. Sci. USA (1996) 93:3416-3421	In English	
		SCHUMACHER, Marc, et al., "The Osmotic-1 Locus of <i>Neurospora crassa</i> Encodes a Putative Histidine Kinase Similar to Osmosensors of Bacteria and Yeast, Current Microbiology (1997) 34:340-347	In English	
		OSHIMA, Michiyo et al., "A Point Mutation in the Two-Component Histidine Kinase <i>BcOS-1</i> Gene Confers Dicarboximide Resistance in Field Isolates of <i>Botrytis cinerea</i> " Phytopathology (2002) 92:75-80	In English	
		FUJIMURA, Makoto et al., "Sensitivity to Phenylpyrrole Fungicides and Abnormal Glycerol Accumulation in <i>Os</i> and <i>Cut</i> Mutant Strains of <i>Neurospora crassa</i> " J. Pesticide Sci (2000) 25:31-36	In English	
		FUJIMURA, Makoto et al., "Fungicide Resistance and Osmotic Stress Sensitivity in <i>os</i> Mutants of <i>Neurospora crassa</i> " Pesticide Biochem. Physiol. (2000) 67:125-133	In English	
		MAEDA, Tatsuya et al., "A two-component system that regulates an osmosensing MAP kinase cascade in yeast, Nature (1994) 369:242-245	In English	
		AOYAMA, Keisuke et al., "Genetic Analysis of the His-to-Asp Phosphorelay Implicated in Mitotic Cell Cycle Control: Involvement of Histidine-Kinase Genes of <i>Schizosaccharomyces pombe</i> " Biosci. Biotechnol. Biochem. (2001) 65:2347-2352	In English	
		YAMADA, Hisami et al., "The Arabidopsis AHK4 Histidine Kinase is a Cytokinin-Binding Receptor that Transduces Cytokinin Signals Across the Membrane," Plant Cell Physiol. (2001) 42:107-113	In English	
		FREEMAN, Jeremy et al., A genetic analysis of the functions of LuxN: a two-component hybrid sensor kinase that regulates quorum sensing in <i>Vibrio harveyi</i> " Mol. Microbiol. (2000) 35:139-149	In English	
		INOUE, Tsutomu et al., Identification of CRE1 as a cytokinin receptor from <i>Arabidopsis</i> " Nature (2001) 409:1060-1063	In English	
		SRIKANTHA, Thyagarajan et al., "The two-component hybrid kinase regulator <i>CaNIK1</i> of <i>Candida albicans</i> , "Microbiology (1998) 144:2715-2729	In English	
		NAGAHASHI, Shigehisa et al., "Isolation of <i>CaSLN1</i> and <i>CaNIK1</i> , the genes for osmosensing histidine kinase homologues, from the pathogenic fungus <i>Candida albicans</i> , "Microbiology (1998) 144:425-432	In English	
		OCHIAI, Noriyuki et al., "Characterization of mutation in the two-component histidine kinase gene that confer fludioxonil resistance and osmotic sensitivity in the <i>os-1</i> mutants of <i>Neurospora crassa</i> , Pest Management Sci., (2001) 57:437-442	In English	
		MILLER, Tamara et al., "Molecular Dissection of Alleles of the <i>osmotic-1</i> Locus of <i>Neurospora crassa</i> , Fungl Gen. Biol. (2002) 35:147-155	In English	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				Art Unit	1653
				Examiner Name	M. Monshipouri
Sheet 2 of 2				Attorney Docket Number	Q78242

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		US			

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NON PATENT LITERATURE DOCUMENTS

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		GenBank Accession U50263	In English
		GenBank Accession U53189	In English
		GenBank Accession AAB03698	In English
		GenBank Accession AAB01979	In English
		GenBank Accession AF396827	In English
		GenBank Accession AF435964	In English
		GenBank Accession AAL37947	In English
		GenBank Accession AAL30826	In English
		GenBank Accession AB041647	In English
		GenBank Accession BAB40947	In English
		CUI, Wei et al, "An osmosensing histidine kinase mediates dicarboximide fungicide resistance in <i>Botryotinia fuckeliana</i> (<i>Botrytis cinerea</i>), Fung. Gen. Biol (2002) 36:187-198	In English.
		ZHANG, Yan et al, "Osmoregulation and Fungicide Resistance: the <i>Neurospora crassa</i> os-2 Gene Encodes a <i>HOG1</i> Mitogen-Activated Protein Kinase Homologue, Appl. Environ. Microbial (2002 68:532-538	In English
		URAO, Takeshi et al, "A Transmembrane Hybrid-Type Histidine Kinase in Arabidopsis Functions as an Osmosensor," The Plant Cell, (1999) 11:1743:1754	In English
		Gen Ban Accession U61838	In English
		GenBank Accession U59310	In English
		SONG, Hyun Kyu, "Insights into Eukaryotic Multistep Phosphorelay Signal Transduction Revealed by the Crystal Structure of Ypd1p from <i>Saccharomyces cerevisiae</i> , J. Mol. Biol. (1999) 293, 753-761	In English

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